

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-161751

(43)Date of publication of application : 19.06.1998

(51)Int.Cl.

G05D 11/13

G01F 1/66

G05D 7/06

G05D 9/12

G05D 11/03

G05D 21/00

(21)Application number : 08-324074

(71)Applicant : SONY CORP

(22)Date of filing : 04.12.1996

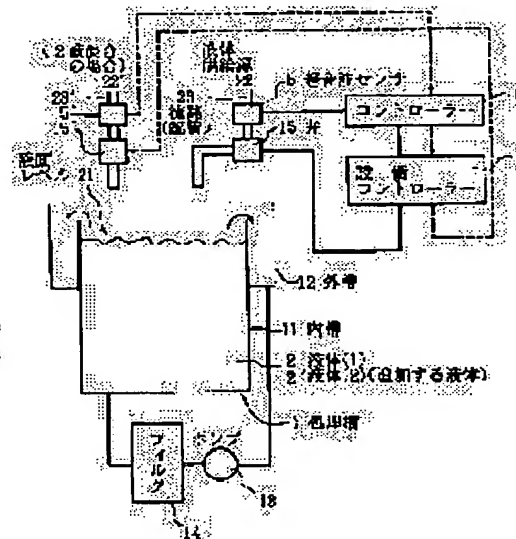
(72)Inventor : SUZUKI KEITA

## (54) LIQUID FLOW RATE CONTROL METHOD AND DEVICE THEREFOR

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a liquid flow rate control method and its device which attains precise control of a flow rate concerning a liquid obtained by mixing not less than two liquid while properly adjusting concn., etc., unnecessitates complicated adjustment and does not reduce the purity of the liquid.

**SOLUTION:** In this flow rate control method, ultrasonic sensors 5 and 5' are provided in flow passages 23 and 23' supplying liquid 2 and 2' into a processing tank 1 to detect a supplied liquid quantity by the ultrasonic sensors to compare the result between this detecting result and a previously stored supply quantity to control the quantity of a liquid to supply into the processing tank. In addition, the flow rate controller detecting and controlling the quantity of the liquid to supply into the processing tank is provided with a non-contact ultrasonic sensor with the liquid to monitor the liquid supply quantity into the processing tank by the sensor and provided with a controller 6 controlling the supplying quantity of the liquid within processing tank based on the data output of the sensor.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]